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- NEWS 3 AUG 18 COMPENDEX indexing changed for the Corporate Source (CS) field
- NEWS 4 AUG 24 ENCOMPLIT/ENCOMPLIT2 reloaded and enhanced
- NEWS 5 AUG 24 CA/CAPLUS enhanced with legal status information for U.S. patents
- NEWS 6 SEP 09 50 Millionth Unique Chemical Substance Recorded in CAS REGISTRY
- NEWS 7 SEP 11 WPIDS, WPINDEX, and WPIX now include Japanese FTERM thesaurus
- NEWS 8 OCT 21 Derwent World Patents Index Coverage of Indian and Taiwanese Content Expanded
- NEWS 9 OCT 21 Derwent World Patents Index enhanced with human translated claims for Chinese Applications and Utility Models
- NEWS 10 NOV 23 Addition of SCAN format to selected STN databases
- NEWS 11 NOV 23 Annual Reload of IFI Databases
- NEWS 12 DEC 01 FRFULL Content and Search Enhancements
- NEWS 13 DEC 01 DGENE, USGENE, and PCTGEN: new percent identity feature for sorting BLAST answer sets
- NEWS 14 DEC 02 Derwent World Patent Index: Japanese FI-TERM thesaurus added
- NEWS 15 DEC 02 PCTGEN enhanced with patent family and legal status display data from INPADOCDB
- NEWS 16 DEC 02 USGENE: Enhanced coverage of bibliographic and sequence information
- NEWS 17 DEC 21 New Indicator Identifies Multiple Basic Patent Records Containing Equivalent Chemical Indexing in CA/CAPLUS

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NEWS 19 JAN 25 Annual Reload of MEDLINE database
NEWS 20 FEB 16 STN Express Maintenance Release, Version 8.4.2, Is
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NEWS 21 FEB 16 Derwent World Patents Index (DWPI) Revises Indexing
of Author Abstracts
NEWS 22 FEB 16 New FASTA Display Formats Added to USGENE and PCTGEN
NEWS 23 FEB 16 INPADOCDB and INPAFAMDB Enriched with New Content
and Features
NEWS 24 FEB 16 INSPEC Adding Its Own IPC codes and Author's E-mail
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FILE COVERS 1907 - 19 Feb 2010 VOL 152 ISS 9

FILE LAST UPDATED: 18 Feb 2010 (20100218/ED)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Dec 2009

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Dec 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2009.

CAS Information Use Policies apply and are available at:

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This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s T25 and HDAC

324 T25

3692 HDAC

1335 HDACS

4104 HDAC

(HDAC OR HDACS)

L1 2 T25 AND HDAC

=> duplicate remove L1

PROCESSING COMPLETED FOR L1

L2 2 DUPLICATE REMOVE L1 (0 DUPLICATES REMOVED)

=> d L2 bib abs 1-2

L2 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2008:748783 CAPLUS

DN 149:143418

TI Monitoring the effect of belinostat in solid tumors by H4 acetylation

AU Marquard, Lena; Petersen, Kamille Dumong; Persson, Morten; Hoff, Kirsten Damgaard; Jensen, Peter Buhl; Sehested, Maxwell

CS Experimental Pathology Unit, Copenhagen University Hospital, Copenhagen, Den.

SO APMIS (2008), 116(5), 382-392

CODEN: APMSEL; ISSN: 0903-4641

PB Blackwell Publishing Ltd.

DT Journal

LA English

AB Histone deacetylase (HDAC) inhibition is a novel entity in medical oncol., and several HDAC inhibitors are in clin. trials. One of them is the hydroxamic acid belinostat (PXD101) that has demonstrated therapeutic efficacy for several clin. indications. Acetylation of histones is a key event after treatment with HDAC inhibitors, and could thus be used as a marker for monitoring cellular response to HDAC inhibitor treatment. Here we describe the utility of a newly described monoclonal antibody against acetylated H4 for immunohistochem. on paraffin-embedded fine needle biopsies from nude mice carrying A2780 human ovarian cancer xenografts. Acetylated H4 was monitored in vivo by immunohistochem. during treatment with belinostat, and compared with pharmaco-kinetics in plasma and tumor tissue. We found an increased level of acetylated H4 15 min after a single treatment (200 mg/kg i.v.) with max. level reached after 1 h. H4 acetylation intensity reflected the belinostat concn. in plasma and tumor tissue. The threshold level for belinostat activity, indicated by acetylated H4, correlated with belinostat plasma concns. above 1,000 ng/mL. In conclusion, examn. of H4 acetylation in fine needle biopsies using the T25 antibody may prove useful in monitoring HDAC inhibitor efficacy in clin. trials involving humans with solid tumors.

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RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2004:266919 CAPLUS

DN 140:281367

TI Antibody tools for the diagnostic use in the medical therapy with inhibitors of histone deacetylases

IN Pelicci, Pier Giuseppe; Minucci, Saverio; Piccini, Daniele; Maccarana, Marco; Ronzoni, Simona; Areces, Liliana Beatriz; Faretta, Marco

PA G2m Cancer Drugs Ag, Germany

SO Eur. Pat. Appl., 36 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI EP 1403639	A1	20040331	EP 2002-21984	20020930

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK
 CA 2500384 A1 20040408 CA 2003-2500384 20030930
 WO 2004029622 A2 20040408 WO 2003-EP10842 20030930
 WO 2004029622 A3 20040805
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
 GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
 LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ,
 OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
 TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
 FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
 BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 AU 2003271663 A1 20040419 AU 2003-271663 20030930
 EP 1546712 A2 20050629 EP 2003-753482 20030930
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 JP 2006501279 T 20060112 JP 2004-539052 20030930
 US 20060257948 A1 20061116 US 2005-529792 20051110
 PRAI EP 2002-21984 A 20020930
 WO 2003-EP10842 W 20030930

ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY
 FORMAT

AB The invention relates to a method for detg. whether a treatment of a
 disorder with an histone deacetylases (HDAC) inhibitor is to be
 started/continued or not comprising detg. the level of histone acetylation
 in the sample by use of an antibody capable of binding to acetylated
 histone, and classifying the disorder as to be treated with an
 HDAC inhibitor when the level of histone acetylation is
 significantly lower than that of a ref. sample. The invention further
 relates to the diagnostic and prognostic use of specific antibodies and
 cell lines producing them.

OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3
 CITINGS)

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS
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=> s T52 and HDAC
 40 T52
 3692 HDAC
 1335 HDACS
 4104 HDAC

(HDAC OR HDACS)
L3 2 T52 AND HDAC

=> duplicate remove L3

PROCESSING COMPLETED FOR L3

L4 2 DUPLICATE REMOVE L3 (0 DUPLICATES REMOVED)

=> d L4 bib abs 1-2

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

AN 2005:642598 CAPLUS

DN 144:208314

TI New method to detect histone acetylation levels by flow cytometry

AU Ronzoni, Simona; Faretta, Mario; Ballarini, Marco; Pelicci, PierGiuseppe;
Minucci, Saverio

CS European Institute of Oncology, Milan, Italy

SO Cytometry, Part A (2005), 66A(1), 52-61

CODEN: CPAYAV; ISSN: 1552-4922

PB Wiley-Liss, Inc.

DT Journal

LA English

AB Background: Reversible histone acetylation affects chromatin structural organization, thus regulating gene expression and other nuclear events. Levels of histone acetylation are tightly modulated in normal cells, and alterations of their regulating mechanisms have been shown to be involved in tumorigenesis. Methods: the authors developed a new flow cytometric technique for detection of histone acetylation, based on a specific monoclonal antibody that recognizes acetylated histone tails. Bivariate anal. for histone acetylation levels and DNA were performed to study modulation of chromatin organization during the cell cycle and after induction of histone hyperacetylation by the histone deacetylase (HDAC) inhibitor trichostatin A (TSA). Histone acetylation and transcription levels were monitored during differentiation induced by retinoic acid alone or in combination with TSA. Blood samples from patients were analyzed with the described protocol to monitor the effects of HDAC inhibitors in vivo and validate the developed protocol for clin. usage. Results: Flow cytometric detection of acetylation status can successfully detect modifications induced by HDAC inhibitor treatment in vivo as demonstrated by anal. of various blood samples from patients treated with valproic acid. Changes in acetylation levels during the cell cycle demonstrated a reproducible increase in histone acetylation during the replication phase that was subsequently decreased at the G2M entrance, thus paralleling the behavior of DNA replication and transcriptional activity. Conclusions: Multiparameter anal. of histone acetylation and expression of mol. markers, DNA ploidy, and/or cell cycle kinetics can provide a quick and statistically reliable tool for the

diagnosis and evaluation of treatment efficacy in clin. trials using
HDAC inhibitors.

OSC.G 3 THERE ARE 3 CAPLUS RECORDS THAT CITE THIS RECORD (3
CITINGS)

RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS
RECORD

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L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2010 ACS on STN

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DN 140:281367

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AU 2003271663	A1	20040419	AU 2003-271663	20030930
EP 1546712	A2	20050629	EP 2003-753482	20030930
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JP 2006501279	T	20060112	JP 2004-539052	20030930
US 20060257948	A1	20061116	US 2005-529792	20051110
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